

### **Abstract**

A method and apparatus for measuring the concentration of hydrogen peroxide in a liquid or gaseous fluid. A capacitor is exposed to the fluid, wherein the fluid acts as the dielectric between the conductors of the capacitor. The permittivity and dielectric constant associated with the fluid is affected by the relative concentrations of the chemical components comprising the fluid. A measurement of the capacitance is used to determine the relative concentration levels of the chemical components in the fluid. In an alternative embodiment, a resistor, and associated resistance values, are used to determine the concentration of hydrogen peroxide in a liquid or gaseous fluid.